

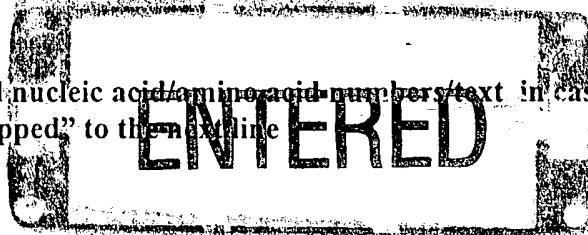
1FW16

CRF Errors Edited by the STIC Systems Branch

Serial Number: 09/857,581A

CRF Edit Date: 9/20/04
Edited by: AC

Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line



Corrected the SEQ ID NO. Sequence numbers edited were:

55

Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

Deleted: ___ invalid beginning/end-of-file text ; ___ page numbers

Inserted mandatory headings/numeric identifiers, specifically:

Moved responses to same line as heading/numeric identifier, specifically:

✓ Other:

corrected L1507 response



IFW16

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/857,581A

DATE: 09/20/2004

TIME: 11:40:08

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\09202004\I857581A.raw

3 <110> APPLICANT: Fader, Gary M.
 4 Jung, Woosuk
 5 McGonigle, Brian
 6 Odell, Joan T.
 7 Yu, Xiaodan
 9 <120> TITLE OF INVENTION: Nucleic Acid Fragments Encoding Isoflavone Synthase
 11 <130> FILE REFERENCE: BB-1339
 13 <140> CURRENT APPLICATION NUMBER: 09/857,581A
C--> 14 <141> CURRENT FILING DATE: 2001-06-05
 16 <150> PRIOR APPLICATION NUMBER: PCT/US00/01772
 17 <151> PRIOR FILING DATE: 2000-01-26
 19 <150> PRIOR APPLICATION NUMBER: 60/117769
 20 <151> PRIOR FILING DATE: 1999-01-27
 22 <150> PRIOR APPLICATION NUMBER: 60/144783
 23 <151> PRIOR FILING DATE: 1999-07-20
 25 <150> PRIOR APPLICATION NUMBER: 60/156094
 26 <151> PRIOR FILING DATE: 1999-09-24
 28 <160> NUMBER OF SEQ ID NOS: 66
 30 <170> SOFTWARE: Microsoft Office 97
 32 <210> SEQ ID NO: 1
 33 <211> LENGTH: 1756
 34 <212> TYPE: DNA
 35 <213> ORGANISM: Glycine max
 37 <400> SEQUENCE: 1
 38 gtaattaacc tcactcaaac tcgggatcac agaaaccaac aacagttctt gcactgaggt 60
 39 ttacacatgt tgctggaact tgcacttggt ttgtttgtgt tagctttgtt tctgcacttg 120
 40 cgtccccacac caagtgcaaa atcaaaaagca ctccgcacc tcccaaacc tccaaggccca 180
 41 aaggcctcgtc ttcccttcat tggccacctt cacctctaa aagataaaact tctccactat 240
 42 gcactcatcg atctctccaa aaagcatggc cccttattct ctctctcctt cggctccatg 300
 43 ccaaccgtcg ttgcctccac ccctgagttt ttcaagctt tcttccaaac ccacgaggca 360
 44 acttccttca acacaagggtt ccaaaccctt gccataagac gcctcaactt cgacaactct 420
 45 gtggccatgg ttccattcgg accttactgg aagttcgtga ggaagctcat catgaacgac 480
 46 cttctcaacg ccaccaccgt caacaagctc aggccatttga ggacccaaca gatccgcaag 540
 47 ttcccttaggg ttatggccca aagcgagag gcccagaagc cccttgacgt caccgaggag 600
 48 cttctcaaat ggaccaaacag caccatctcc atgatgatgc tggcgaggc tgaggagatc 660
 49 agagacatcg ctgcgaggt tcttaagatc ttgcgcattt acagcctcac tgacttcattc 720
 50 tggccatttga agtatctcaa ggttggaaag tatgagaaga ggattgatga catcttgaac 780
 51 aagttcgacc ctgtcggtga aagggtcatc aagaagcgcc gtgagatcgt cagaaggaga 840
 52 aagaacggag aagttgtga gggcgaggcc agcggcgatc ttgcatttgcattt 900
 53 ttgcgtgagg acgagaccat ggagatcaa attaccaagg agcaaatcaa gggcattgtt 960
 54 gtcgactttt tctctgcagg gacagattcc acagcgttgg caacagatgt ggcattggca 1020
 55 gagctcatca acaatcccaag ggttgcattt aaggctcgatc aggaggtcta cagtgttgt 1080
 56 ggcaaaagata gactcgatc cgaagttgac actcaaaaacc ttccatttacat tagggccattt 1140

P.6

RAW SEQUENCE LISTING

DATE: 09/20/2004

PATENT APPLICATION: US/09/857,581A

TIME: 11:40:08

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\09202004\I857581A.raw

57 gtgaaggaga cattccgaat gcacccacca ctcccagtgg tcaaaagaaaa gtgcacagaa 1200
 58 gagtgtgaga ttaatggta tgtatccca gagggagcat tggttcttt caatgtttgg 1260
 59 caagtaggaa gggacccaa atactggac agaccatcg aattccgtcc cgagaggttc 1320
 60 ttagaaactg gtgctgaagg ggaagcaggg cctcttgatc ttaggggcca gcatttccaa 1380
 61 ctcctccat ttgggtctgg gaggagaatg tgccctggc tcaatttggc tacttcagga 1440
 62 atggcaacac ttcttgatc tcttatccaa tgcttgacc tgcaagtgtc gggccctcaa 1500
 63 ggacaaatat taaaaggta ttagccaaa gttagcatgg aagagagagc tggcctcaca 1560
 64 gttccaaggg cacatagct cgttgtgtt ccacttgcaa ggatcggcgt tgcataaaa 1620
 65 ctccttctt aattaagata atcatcatat acaatagtag tgcattgcca tcgcaggcgc 1680
 66 ttttatgtt ttcataatca tcatttcaat aagggtgtgac tggacttaa tcaagtaatt 1740
 67 aaggttacat acatgc 1756
 69 <210> SEQ ID NO: 2
 70 <211> LENGTH: 521
 71 <212> TYPE: PRT
 72 <213> ORGANISM: Glycine max
 74 <400> SEQUENCE: 2
 75 Met Leu Leu Glu Leu Ala Leu Gly Leu Phe Val Leu Ala Leu Phe Leu
 76 1 5 10 15
 77 His Leu Arg Pro Thr Pro Ser Ala Lys Ser Lys Ala Leu Arg His Leu
 78 20 25 30
 79 81 Pro Asn Pro Pro Ser Pro Lys Pro Arg Leu Pro Phe Ile Gly His Leu
 80 35 40 45
 81 His Leu Leu Lys Asp Lys Leu Leu His Tyr Ala Leu Ile Asp Leu Ser
 82 50 55 60
 83 84 Lys Lys His Gly Pro Leu Phe Ser Leu Ser Phe Gly Ser Met Pro Thr
 84 65 70 75 80
 85 90 95
 86 90 Val Val Ala Ser Thr Pro Glu Leu Phe Lys Leu Phe Leu Gln Thr His
 87 91 95
 88 93 Glu Ala Thr Ser Phe Asn Thr Arg Phe Gln Thr Ser Ala Ile Arg Arg
 89 100 105 110
 90 94 Leu Thr Tyr Asp Asn Ser Val Ala Met Val Pro Phe Gly Pro Tyr Trp
 91 115 120 125
 92 99 Lys Phe Val Arg Lys Leu Ile Met Asn Asp Leu Leu Asn Ala Thr Thr
 93 100 105 110
 94 102 Val Asn Lys Leu Arg Pro Leu Arg Thr Gln Gln Ile Arg Lys Phe Leu
 95 103 145 150 155 160
 96 105 Arg Val Met Ala Gln Ser Ala Glu Ala Gln Lys Pro Leu Asp Val Thr
 97 106 165 170 175
 98 108 Glu Glu Leu Leu Lys Trp Thr Asn Ser Thr Ile Ser Met Met Met Leu
 99 109 180 185 190
 100 111 Gly Glu Ala Glu Glu Ile Arg Asp Ile Ala Arg Glu Val Leu Lys Ile
 101 112 195 200 205
 102 114 Phe Gly Glu Tyr Ser Leu Thr Asp Phe Ile Trp Pro Leu Lys Tyr Leu
 103 115 210 215 220
 104 117 Lys Val Gly Lys Tyr Glu Lys Arg Ile Asp Asp Ile Leu Asn Lys Phe
 105 118 225 230 235 240
 106 120 Asp Pro Val Val Glu Arg Val Ile Lys Lys Arg Arg Glu Ile Val Arg
 107 121 245 250 255
 108 123 Arg Arg Lys Asn Gly Glu Val Val Glu Gly Glu Ala Ser Gly Val Phe

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/857,581A

DATE: 09/20/2004

TIME: 11:40:08

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\09202004\I857581A.raw

124	260	265	270
126	Leu Asp Thr	Leu Leu Glu Phe Ala Glu Asp Glu Thr Met Glu Ile Lys	
127	275	280	285
129	Ile Thr Lys Glu Gln Ile Lys Gly Leu Val Val Asp Phe Phe Ser Ala		
130	290	295	300
132	Gly Thr Asp Ser Thr Ala Val Ala Thr Glu Trp Ala Leu Ala Glu Leu		
133	305	310	315
135	Ile Asn Asn Pro Arg Val Leu Gln Lys Ala Arg Glu Glu Val Tyr Ser		
136	325	330	335
138	Val Val Gly Lys Asp Arg Leu Val Asp Glu Val Asp Thr Gln Asn Leu		
139	340	345	350
141	Pro Tyr Ile Arg Ala Ile Val Lys Glu Thr Phe Arg Met His Pro Pro		
142	355	360	365
144	Leu Pro Val Val Lys Arg Lys Cys Thr Glu Glu Cys Glu Ile Asn Gly		
145	370	375	380
147	Tyr Val Ile Pro Glu Gly Ala Leu Val Leu Phe Asn Val Trp Gln Val		
148	385	390	395
150	Gly Arg Asp Pro Lys Tyr Trp Asp Arg Pro Ser Glu Phe Arg Pro Glu		
151	405	410	415
153	Arg Phe Leu Glu Thr Gly Ala Glu Gly Glu Ala Gly Pro Leu Asp Leu		
154	420	425	430
156	Arg Gly Gln His Phe Gln Leu Leu Pro Phe Gly Ser Gly Arg Arg Met		
157	435	440	445
159	Cys Pro Gly Val Asn Leu Ala Thr Ser Gly Met Ala Thr Leu Leu Ala		
160	450	455	460
162	Ser Leu Ile Gln Cys Phe Asp Leu Gln Val Leu Gly Pro Gln Gly Gln		
163	465	470	475
165	Ile Leu Lys Gly Asp Asp Ala Lys Val Ser Met Glu Glu Arg Ala Gly		
166	485	490	495
168	Leu Thr Val Pro Arg Ala His Ser Leu Val Cys Val Pro Leu Ala Arg		
169	500	505	510
171	Ile Gly Val Ala Ser Lys Leu Leu Ser		
172	515	520	
174	<210> SEQ ID NO: 3		
175	<211> LENGTH: 27		
176	<212> TYPE: DNA		
177	<213> ORGANISM: Artificial Sequence		
179	<220> FEATURE:		
180	<223> OTHER INFORMATION: Oligonucleotide Primer		
182	<400> SEQUENCE: 3		
183	cgggatccat gcaaccggaa accgtcg		27
185	<210> SEQ ID NO: 4		
186	<211> LENGTH: 32		
187	<212> TYPE: DNA		
188	<213> ORGANISM: Artificial Sequence		
190	<220> FEATURE:		
191	<223> OTHER INFORMATION: Oligonucleotide Primer		
193	<400> SEQUENCE: 4		
194	ccggaattct caccaaacat cacggaggtt tc		32

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/857,581A

DATE: 09/20/2004

TIME: 11:40:08

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\09202004\I857581A.raw

196 <210> SEQ ID NO: 5
 197 <211> LENGTH: 47
 198 <212> TYPE: DNA
 199 <213> ORGANISM: Artificial Sequence
 201 <220> FEATURE:
 202 <223> OTHER INFORMATION: Oligonucleotide Primer
 204 <400> SEQUENCE: 5
 205 tcaaggagaa aaaaccccg atccatgttg ctggaacttg cacttgg 47
 207 <210> SEQ ID NO: 6
 208 <211> LENGTH: 35
 209 <212> TYPE: DNA
 210 <213> ORGANISM: Artificial Sequence
 212 <220> FEATURE:
 213 <223> OTHER INFORMATION: Oligonucleotide Primer
 215 <400> SEQUENCE: 6
 216 ggcagtgaa ttgtaatacg actcactata gggcg 35
 218 <210> SEQ ID NO: 7
 219 <211> LENGTH: 24
 220 <212> TYPE: DNA
 221 <213> ORGANISM: Artificial Sequence
 223 <220> FEATURE:
 224 <223> OTHER INFORMATION: Sequence:PCR primer
 226 <400> SEQUENCE: 7
 227 aaaatttagcc tcacaaaagc aaag 24
 229 <210> SEQ ID NO: 8
 230 <211> LENGTH: 27
 231 <212> TYPE: DNA
 232 <213> ORGANISM: Artificial Sequence
 234 <220> FEATURE:
 235 <223> OTHER INFORMATION: PCR primer
 237 <400> SEQUENCE: 8
 238 atataaggat tgatagttt tagtagg 27
 240 <210> SEQ ID NO: 9
 241 <211> LENGTH: 1824
 242 <212> TYPE: DNA
 243 <213> ORGANISM: Glycine max
 245 <400> SEQUENCE: 9
 246 ggaaaaattag cctcacaaaa gcaaagatca aacaaaccaa ggacgagaac acgatgtgc 60
 247 ttgaacttgc acttggtttta ttgggttgg ctctgttct gcacttgcgt cccacaccca 120
 248 ctgcacaaatc aaaagcactt cgcacatctcc caaacccacc aagccccaaag cctcgcttc 180
 249 ccttcatagg acacccatctt ctcttaaaag acaaacttct ccactacgcg ctcatcgacc 240
 250 tctccaaaaaa acatggccc ttattctctc tctactttgg ctccatgcc accgttgg 300
 251 cctccacacc agaattgttc aagcttcc tccaaacgcg cgaggcaact tccttcaaca 360
 252 caagggttcca aacccatcgcc ataagacgcg tcacccatgtc tagctcgtg gccatgggtc 420
 253 ctttcggacc ttactgaaag ttctgtgg agctcatcat gaacgaccc cccaaacgcgc 480
 254 ccactgtaaa caagttgggg cctttgggg cccaaacagac ccgcaaggcc ctttagggta 540
 255 tggcccaagg cgccaggcga cagaagcccc ttgacttgcg cgaggagctt ctgaaatgg 600
 256 ccaacagcac catctccatg atgatgctcg gcgaggctga ggagatcaga gacatcgctc 660
 257 gcgaggttct taagatcttt ggcgaataca gcctcactga ctccatctgg ccattgaagc 720

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/857,581A

DATE: 09/20/2004

TIME: 11:40:08

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\09202004\I857581A.raw

258 atctcaaggt tggaaaagtat gagaagagga tcgacgcacat cttgaacaag ttgcaccctg 780
 259 tcgttcaaag ggtcatcaag aagcgccgtg agatcgtgag gaggagaaag aacggagagg 840
 260 ttgttgaggg tgaggtcagc ggggtttcc ttgacactt gctgaattc gctgaggatg 900
 261 agaccatggaa gatcaaaaatc accaaggacc acatcgaggg tcttgggtgc gacttttct 960
 262 cgccaggaac agactccaca gcggtggcaa cagagtggc attggcagaa ctcatcaaca 1020
 263 atcctaaggt gttggaaaag gctcgtgagg aggtctacag tttgtggga aaggacagac 1080
 264 ttgtggacga agttgacact caaaaccttc cttacattag agcaatcgtg aaggagacat 1140
 265 tccgcatgca cccgccaatc ccagtggta aaagaaatg cacagaagag tgttagat 1200
 266 atggatatgt gatcccagag ggagcattga ttcttttcaa tgtatggcaa gtaggaagag 1260
 267 accccaaata ctgggacaga ccatcgaggt tccgtctgaa gaggttccta gagacagggg 1320
 268 ctgaaggggaa gcagggcct ttgtatcttta ggggacaaca tttcaactt ctcccatgg 1380
 269 ggtctggag gagaatgtgc cttggagtca atctggctac ttccggaaatg gcaacacttc 1440
 270 ttgcatcttct tattcagtgc ttgcacttgc aagtgctggg tccacaagga cagatattga 1500
 271 agggtggta cgccaaatgtt agcatggaaag agagagccgg cctcaactgtt ccaagggcac 1560
 272 atagtttgtt ctgtgttcca cttgcaagga tcggcgttgc atctaaatc ctttcttaat 1620
 273 taagatcatc atcatatata atatttactt tttgtgtgtt gataatcatc atttcaataa 1680
 274 ggtctcggtc atctactttt tatgaagtat ataaggccctt ccatgcacat tgtatcatct 1740
 275 cccattttgtc ttgcgttgc acctaaggca atctttttt ttttagaatc acatcatct 1800
 276 actataaact atcaatcctt atat 1824

278 <210> SEQ ID NO: 10

279 <211> LENGTH: 521

280 <212> TYPE: PRT

281 <213> ORGANISM: Glycine max

283 <400> SEQUENCE: 10

284 Met Leu Leu Glu Leu Ala Leu Gly Leu Leu Val Leu Ala Leu Phe Leu
 285 1 5 10 15
 287 His Leu Arg Pro Thr Pro Thr Ala Lys Ser Lys Ala Leu Arg His Leu
 288 20 25 30
 290 Pro Asn Pro Pro Ser Pro Lys Pro Arg Leu Pro Phe Ile Gly His Leu
 291 35 40 45
 293 His Leu Leu Lys Asp Lys Leu Leu His Tyr Ala Leu Ile Asp Leu Ser
 294 50 55 60
 296 Lys Lys His Gly Pro Leu Phe Ser Leu Tyr Phe Gly Ser Met Pro Thr
 297 65 70 75 80
 299 Val Val Ala Ser Thr Pro Glu Leu Phe Lys Leu Phe Leu Gln Thr His
 300 85 90 95
 302 Glu Ala Thr Ser Phe Asn Thr Arg Phe Gln Thr Ser Ala Ile Arg Arg
 303 100 105 110
 305 Leu Thr Tyr Asp Ser Ser Val Ala Met Val Pro Phe Gly Pro Tyr Trp
 306 115 120 125
 308 Lys Phe Val Arg Lys Leu Ile Met Asn Asp Leu Pro Asn Ala Thr Thr
 309 130 135 140
 311 Val Asn Lys Leu Arg Pro Leu Arg Thr Gln Gln Thr Arg Lys Phe Leu
 312 145 150 155 160
 314 Arg Val Met Ala Gln Gly Ala Glu Ala Gln Lys Pro Leu Asp Leu Thr
 315 165 170 175
 317 Glu Glu Leu Leu Lys Trp Thr Asn Ser Thr Ile Ser Met Met Met Leu
 318 180 185 190
 320 Gly Glu Ala Glu Glu Ile Arg Asp Ile Ala Arg Glu Val Leu Lys Ile

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 09/20/2004
PATENT APPLICATION: US/09/857,581A TIME: 11:40:09

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\09202004\I857581A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:66; Xaa Pos. 10,16,23,25,39,48,60,73,74,95,96,102,110,112,117,118,121
Seq#:66; Xaa Pos. 122,124,129,147,159,162,166,170,175,183,187,191,209,219
Seq#:66; Xaa Pos. 223,253,259,263,264,268,272,285,292,293,294,301,306,311
Seq#:66; Xaa Pos. 312,325,328,329,334,342,377,381,385,387,393,394,402,404
Seq#:66; Xaa Pos. 413,422,428,429,435,447,453,459,485

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/857,581A

DATE: 09/20/2004

TIME: 11:40:09

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\09202004\I857581A.raw

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:3458 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:0

M:341 Repeated in SeqNo=66



IFW16

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/857,581A

DATE: 09/17/2004

TIME: 09:54:37

Input Set : A:\BB1339 corrected sequence listing.txt
 Output Set: N:\CRF4\09172004\I857581A.raw

3 <110> APPLICANT: Fader, Gary M.
 4 Jung, Woosuk
 5 McGonigle, Brian
 6 Odell, Joan T.
 7 Yu, Xiaodan
 9 <120> TITLE OF INVENTION: Nucleic Acid Fragments Encoding Isoflavone Synthase
 11 <130> FILE REFERENCE: BB-1339
 13 <140> CURRENT APPLICATION NUMBER: 09/857,581A
 C--> 14 <141> CURRENT FILING DATE: 2001-06-05
 16 <150> PRIOR APPLICATION NUMBER: PCT/US00/01772 ↙
 17 <151> PRIOR FILING DATE: 2000-01-26
 19 <150> PRIOR APPLICATION NUMBER: 60/117769
 20 <151> PRIOR FILING DATE: 1999-01-27
 22 <150> PRIOR APPLICATION NUMBER: 60/144783
 23 <151> PRIOR FILING DATE: 1999-07-20
 25 <150> PRIOR APPLICATION NUMBER: 60/156094
 26 <151> PRIOR FILING DATE: 1999-09-24
 28 <160> NUMBER OF SEQ ID NOS: 66
 30 <170> SOFTWARE: Microsoft Office 97

ERRORED SEQUENCES

2561 <210> SEQ ID NO: 55
 2562 <211> LENGTH: 499
 2563 <212> TYPE: PRT
 2564 <213> ORGANISM: Lupinus albus
 E--> 2566 <400> SEQUENCE: (49)55← change to
 2567 Phe Leu His Leu Arg Pro Thr Pro Thr Ala Lys Ser Lys Ala Leu Arg
 2568 1 5 10 15
 2570 His Leu Pro Asn Pro Pro Ser Pro Lys Pro Arg Leu Pro Phe Ile Gly
 2571 20 25 30
 2573 His Leu His Leu Lys Asp Lys Leu Leu His Tyr Ala Leu Ile Asp
 2574 35 40 45
 2576 Leu Ser Lys Lys His Gly Pro Leu Phe Ser Leu Tyr Phe Gly Ser Met
 2577 50 55 60
 2579 Pro Thr Val Val Ala Ser Thr Pro Glu Leu Phe Lys Leu Phe Leu Gln
 2580 65 70 75 80
 2582 Thr His Glu Ala Thr Ser Phe Asn Thr Arg Phe Gln Thr Ser Ala Ile
 2583 85 90 95
 2585 Arg Arg Leu Thr Tyr Asp Ser Ser Val Ala Arg Val Pro Phe Gly Pro
 2586 100 105 110
 2588 Tyr Trp Lys Phe Val Arg Lys Leu Ile Met Asn Asp Leu Leu Asn Ala

*Does Not Comply
Corrected Diskette Needed*

RAW SEQUENCE LISTING

DATE: 09/17/2004

PATENT APPLICATION: US/09/857,581A

TIME: 09:54:38

Input Set : A:\BB1339 corrected sequence listing.txt
 Output Set: N:\CRF4\09172004\I857581A.raw

2589	115	120	125
2591	Thr Thr Val Asn Lys Leu Arg Pro Leu Arg Thr Gln Gln Ile Arg Lys		
2592	130	135	140
2594	Phe Leu Arg Val Met Ala Gln Gly Ala Glu Ala Gln Lys Pro Leu Asp		
2595	145	150	155
2597	Leu Thr Glu Glu Leu Leu Lys Trp Thr Asn Ser Thr Ile Ser Met Met		
2598	165	170	175
2600	Met Leu Gly Glu Ala Glu Glu Ile Arg Asp Ile Ala Arg Glu Val Leu		
2601	180	185	190
2603	Lys Ile Phe Gly Glu Tyr Ser Leu Thr Asp Phe Ile Trp Pro Leu Lys		
2604	195	200	205
2606	His Leu Lys Val Gly Lys Tyr Glu Lys Arg Ile Asp Asp Ile Leu Asn		
2607	210	215	220
2609	Lys Phe Asp Pro Val Val Glu Arg Val Ile Lys Lys Arg Arg Glu Ile		
2610	225	230	235
2612	Val Arg Arg Arg Lys Asn Gly Glu Val Val Glu Gly Glu Val Ser Gly		
2613	245	250	255
2615	Val Leu Leu Asp Thr Leu Leu Glu Phe Ala Glu Asp Glu Thr Met Glu		
2616	260	265	270
2618	Ile Lys Ile Thr Lys Asp His Ile Lys Gly Leu Val Val Asp Phe Phe		
2619	275	280	285
2621	Ser Ala Gly Thr Asp Ser Thr Ala Val Ala Thr Glu Trp Ala Leu Ala		
2622	290	295	300
2624	Glu Leu Ile Asn Asn Pro Lys Val Leu Glu Arg Ala Arg Glu Glu Val		
2625	305	310	315
2627	Tyr Ser Val Val Gly Lys Asp Arg Leu Val Asp Glu Val Asp Thr Gln		
2628	325	330	335
2630	Asn Leu Pro Tyr Ile Arg Ala Ile Val Lys Glu Thr Phe Arg Met His		
2631	340	345	350
2633	Pro Pro Leu Pro Val Val Lys Arg Lys Cys Thr Glu Glu Cys Glu Ile		
2634	355	360	365
2636	Asn Gly Tyr Val Ile Pro Glu Gly Ala Leu Ile Leu Phe Asn Val Trp		
2637	370	375	380
2639	Gln Val Gly Arg Asp Pro Lys Tyr Trp Asp Arg Pro Ser Glu Phe Arg		
2640	385	390	395
2642	Pro Glu Arg Phe Leu Glu Thr Glu Ala Glu Gly Glu Ala Arg Pro Leu		
2643	405	410	415
2645	Asp Leu Arg Gly Gln His Phe Gln Leu Leu Pro Phe Gly Ser Gly Arg		
2646	420	425	430
2648	Arg Met Cys Pro Gly Val Ile Leu Ala Thr Ser Gly Met Ala Thr Leu		
2649	435	440	445
2651	Leu Ala Ser Leu Ile Gln Cys Phe Asp Leu Gln Val Leu Gly Pro Gln		
2652	450	455	460
2654	Gly Gln Ile Leu Lys Gly Asp Ala Lys Val Ser Met Glu Glu Arg		
2655	465	470	475
2657	Ala Gly Leu Thr Val Pro Arg Ala His Ser Leu Val Cys Val Pro Leu		
2658	485	490	495
2660	Ala Arg Ile		

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/857,581A

DATE: 09/17/2004

TIME: 09:54:39

Input Set : A:\BB1339 corrected sequence listing.txt
Output Set: N:\CRF4\09172004\I857581A.raw

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:2566 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:55 differs:49
L:3458 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:0
L:3461 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:16
L:3464 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:32
L:3467 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:48
L:3470 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:64
L:3473 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:80
L:3476 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:96
L:3479 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:112
L:3482 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:128
L:3485 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:144
L:3488 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:160
L:3491 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:176
L:3497 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:208
L:3503 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:240
L:3506 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:256
L:3509 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:272
L:3512 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:288
L:3515 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:304
L:3518 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:320
L:3521 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:336
L:3527 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:368
L:3530 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:384
L:3533 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:400
L:3536 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:416
L:3539 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:432
L:3542 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:448
L:3548 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:480